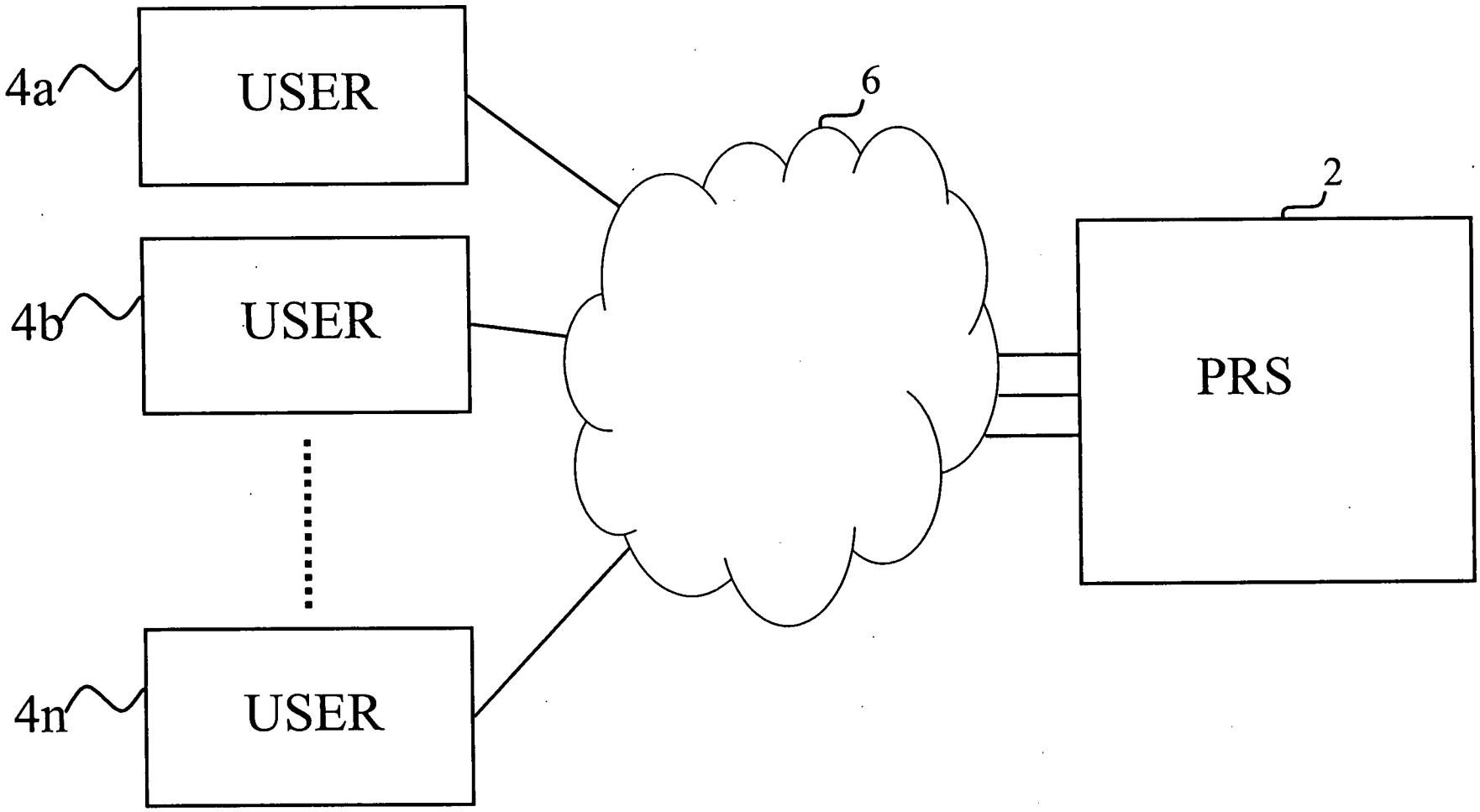


FIGURE 1

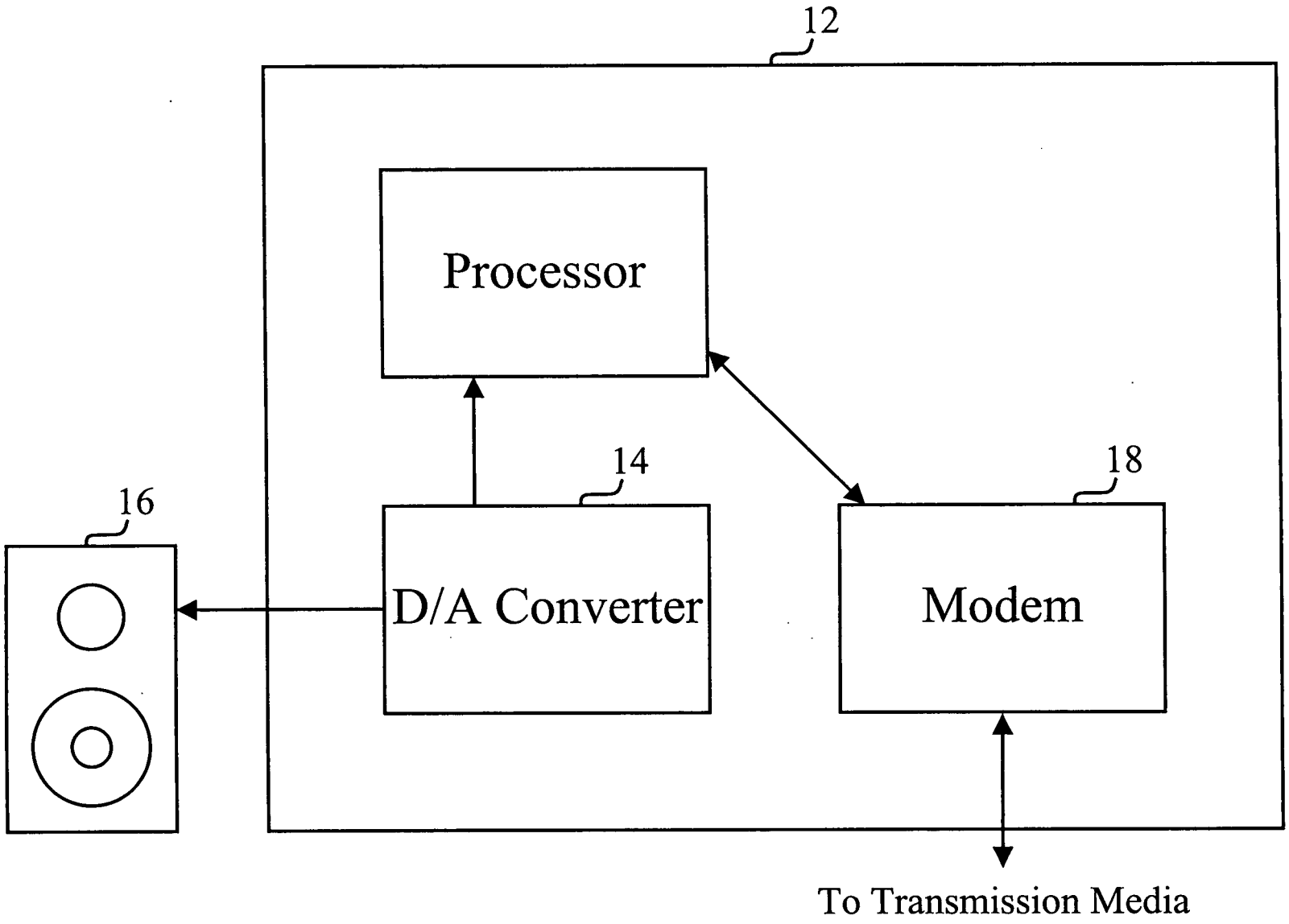

12
Processor
14
18
16
D/A Converter
Modem
To Transmission Media

FIGURE 2

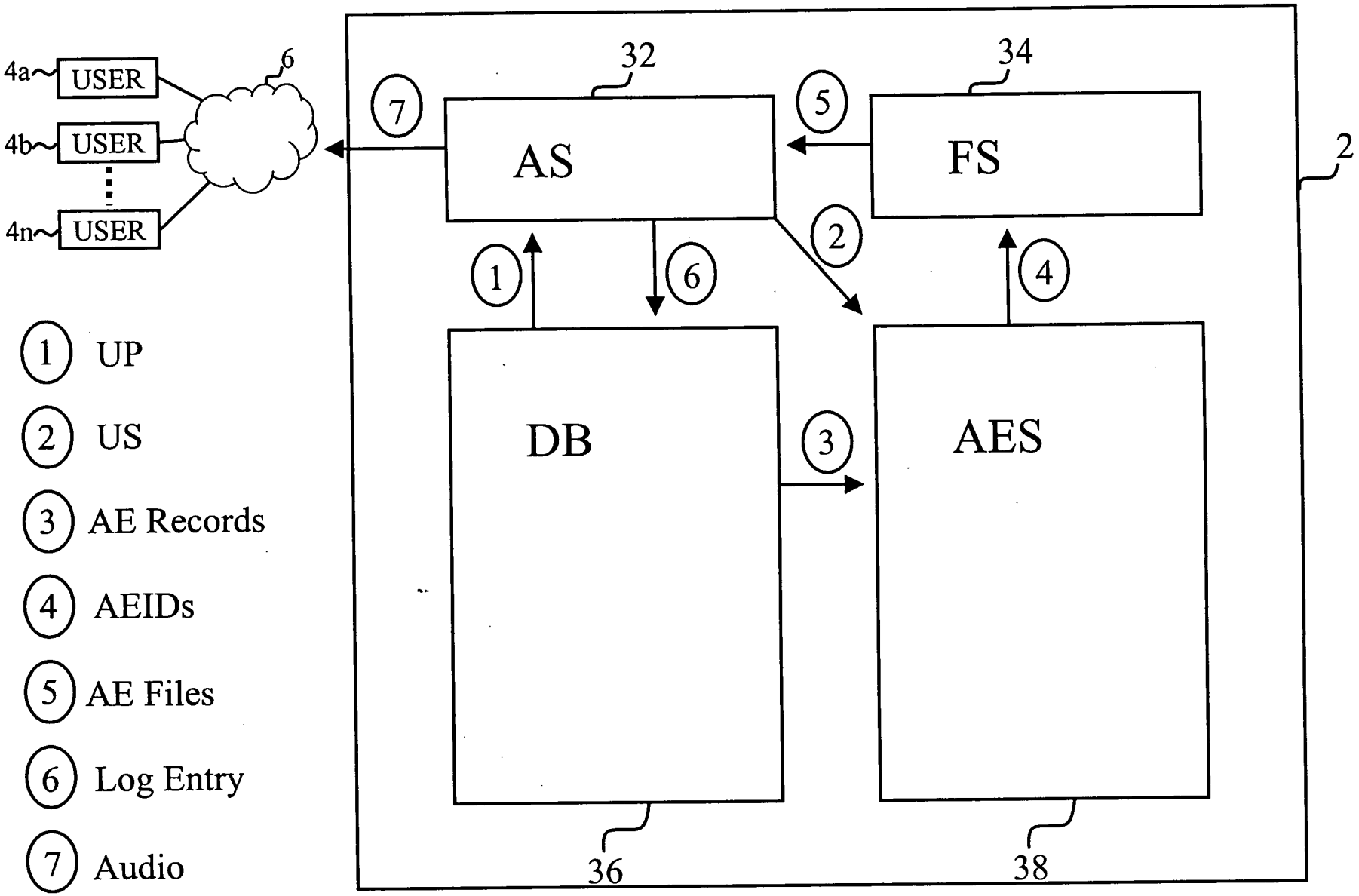

4a
USER
4b
USER
4n
USER
6
7
32
AS
34
FS
5
2
1
6
4
DB
3
AES
2
36
38
1 UP
2 US
3 AE Records
4 AEIDs
5 AE Files
6 Log Entry
7 Audio

FIGURE 3

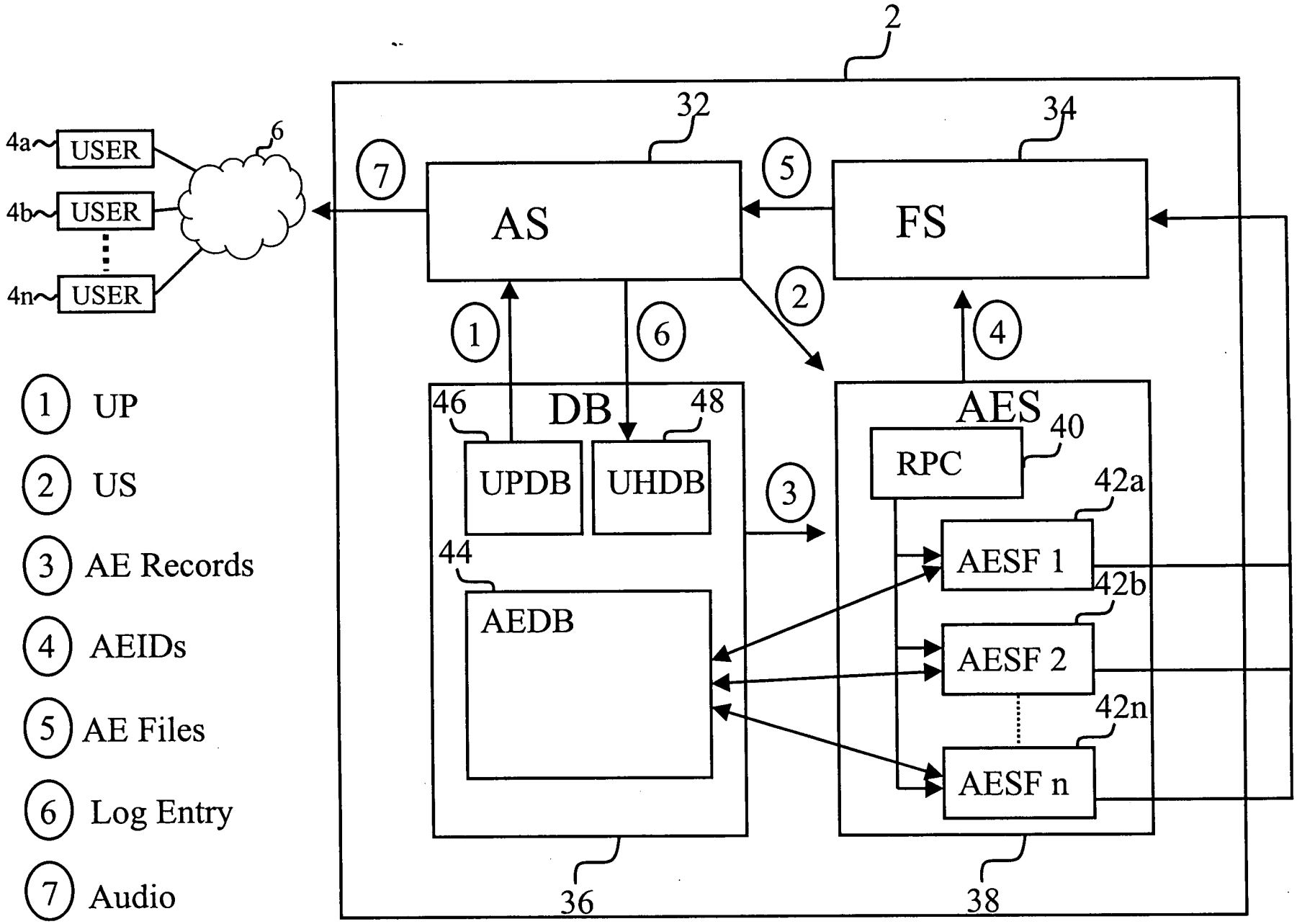

2
32
34
4a USER
4b USER
4n USER
6
7
AS
FS
5
2
1
6
4
46
DB
48
UPDB
UHDB
3
44
AEDB
AES
40
RPC
42a
AESF 1
42b
AESF 2
42n
AESF n
36
38
1 UP
2 US
3 AE Records
4 AEIDs
5 AE Files
6 Log Entry
7 Audio

FIGURE 4

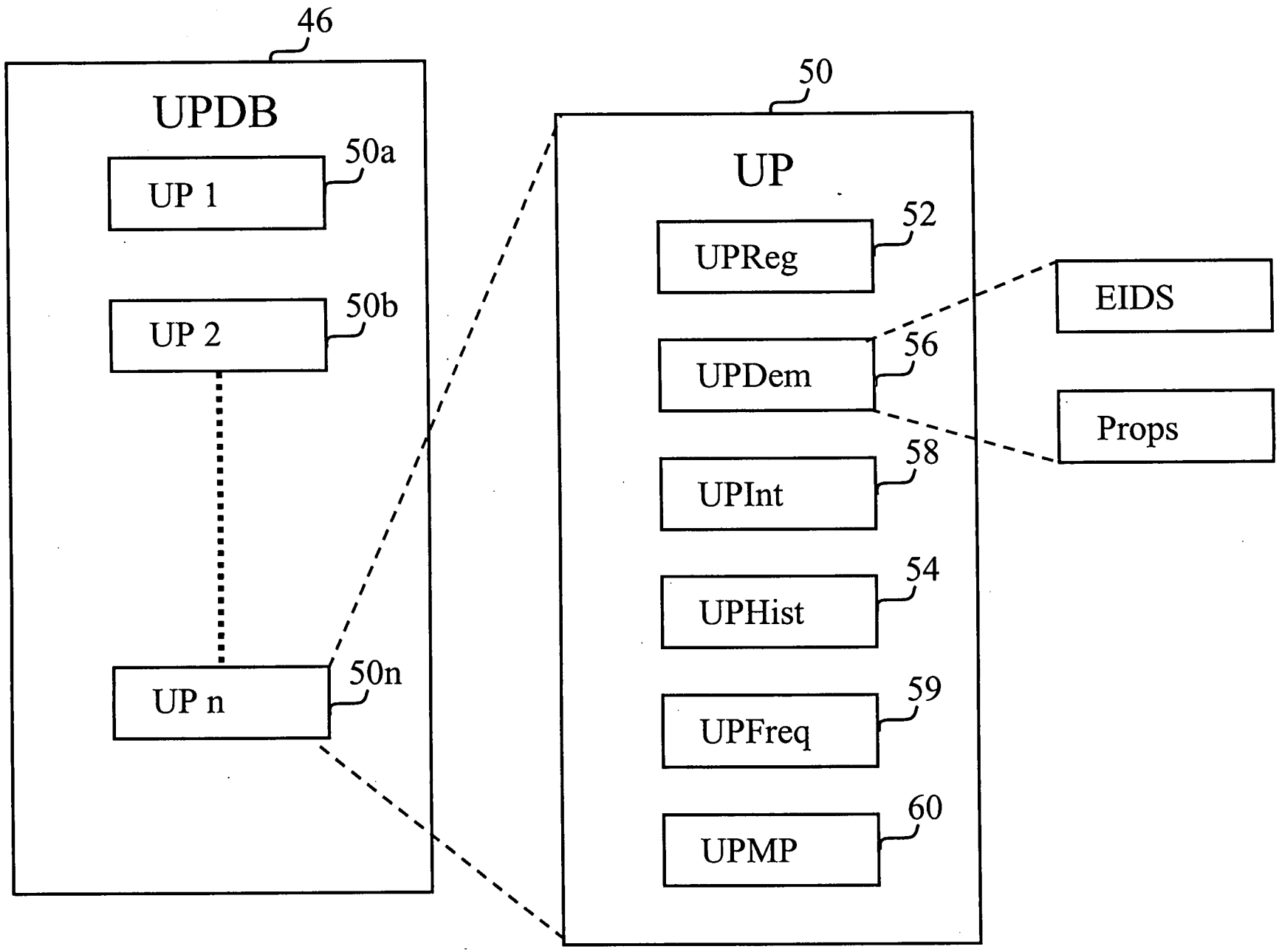

46
UPDB
50a
UP 1
UP 2
50b
UP n
50n
50
UP
52
UPReg
56
UPDem
58
UPInt
54
UPHist
59
UPFreq
60
UPMP
EIDS
Props

FIGURE 5

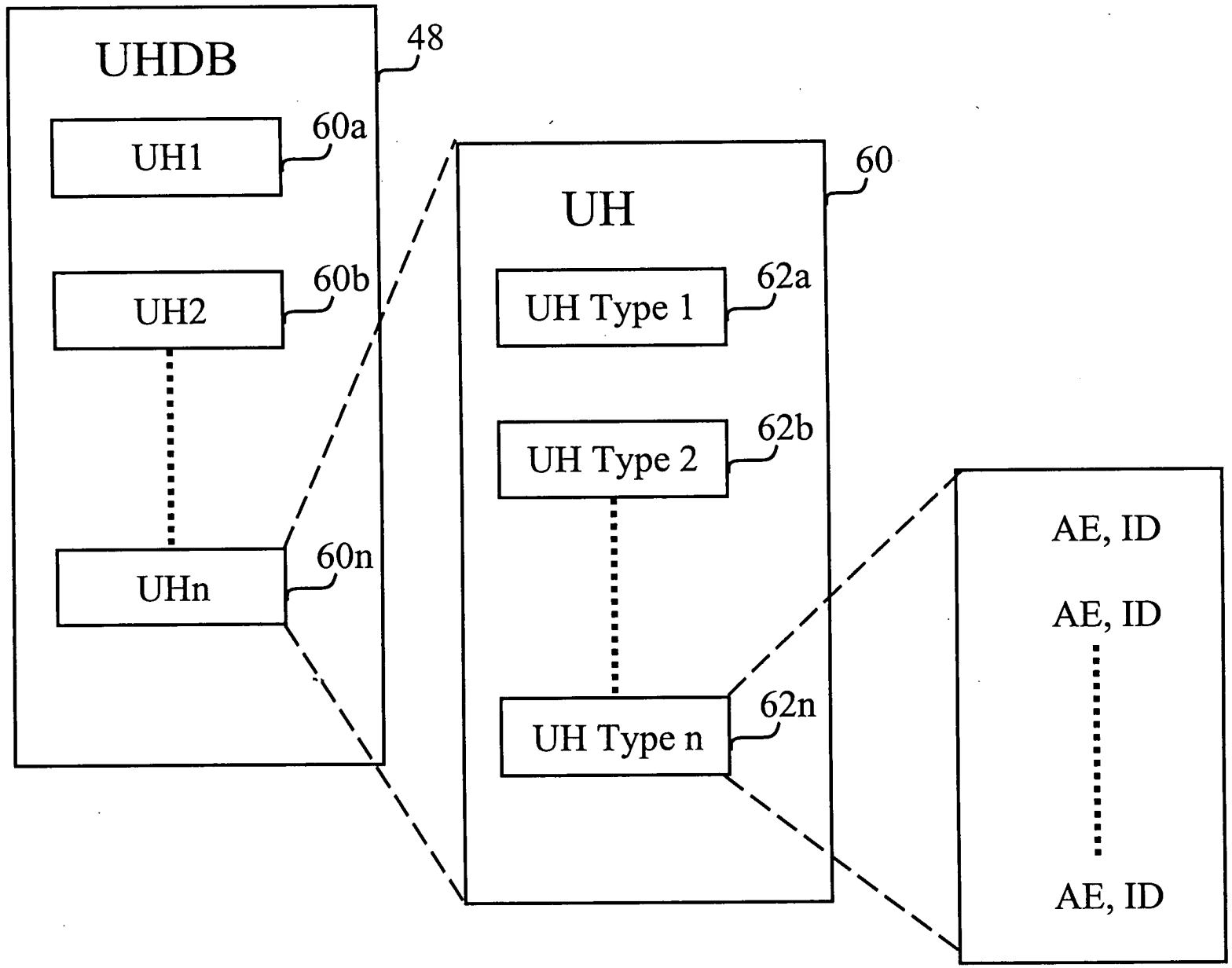

UHDB
48
UH1
60a
UH2
60b
UHn
60n
UH
60
UH Type 1
62a
UH Type 2
62b
UH Type n
62n
AE, ID
AE, ID
AE, ID

FIGURE 6

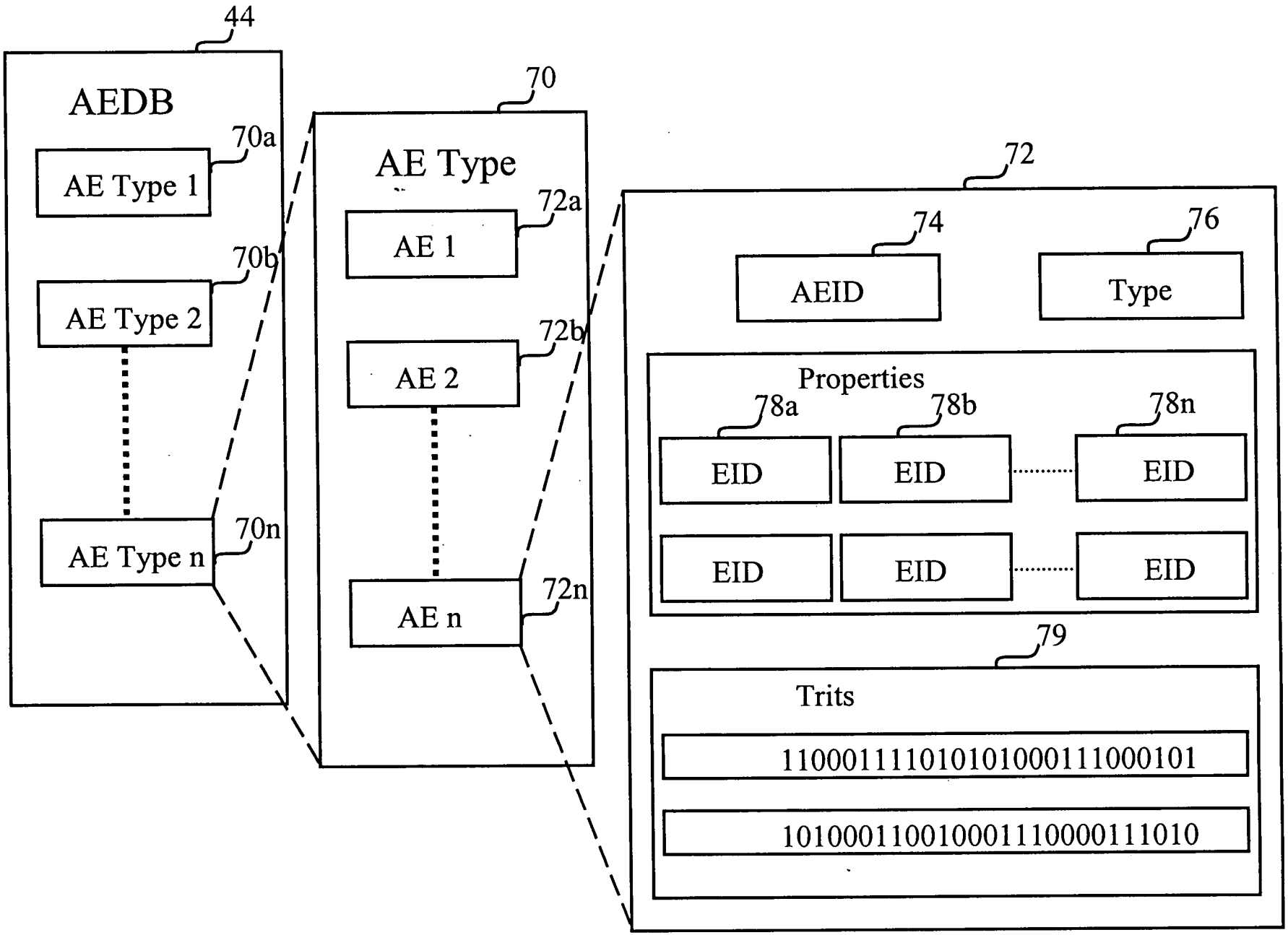

44
AEDB
70a
AE Type 1
70b
AE Type 2
70n
AE Type n
70
AE Type
72a
AE 1
72b
AE 2
72n
AE n
72
74
AEID
76
Type
Properties
78a
78b
78n
EID
EID
EID
EID
EID
EID
79
Trits
11000111101010100011100010 1
10100011001000111000011101 0

FIGURE 7

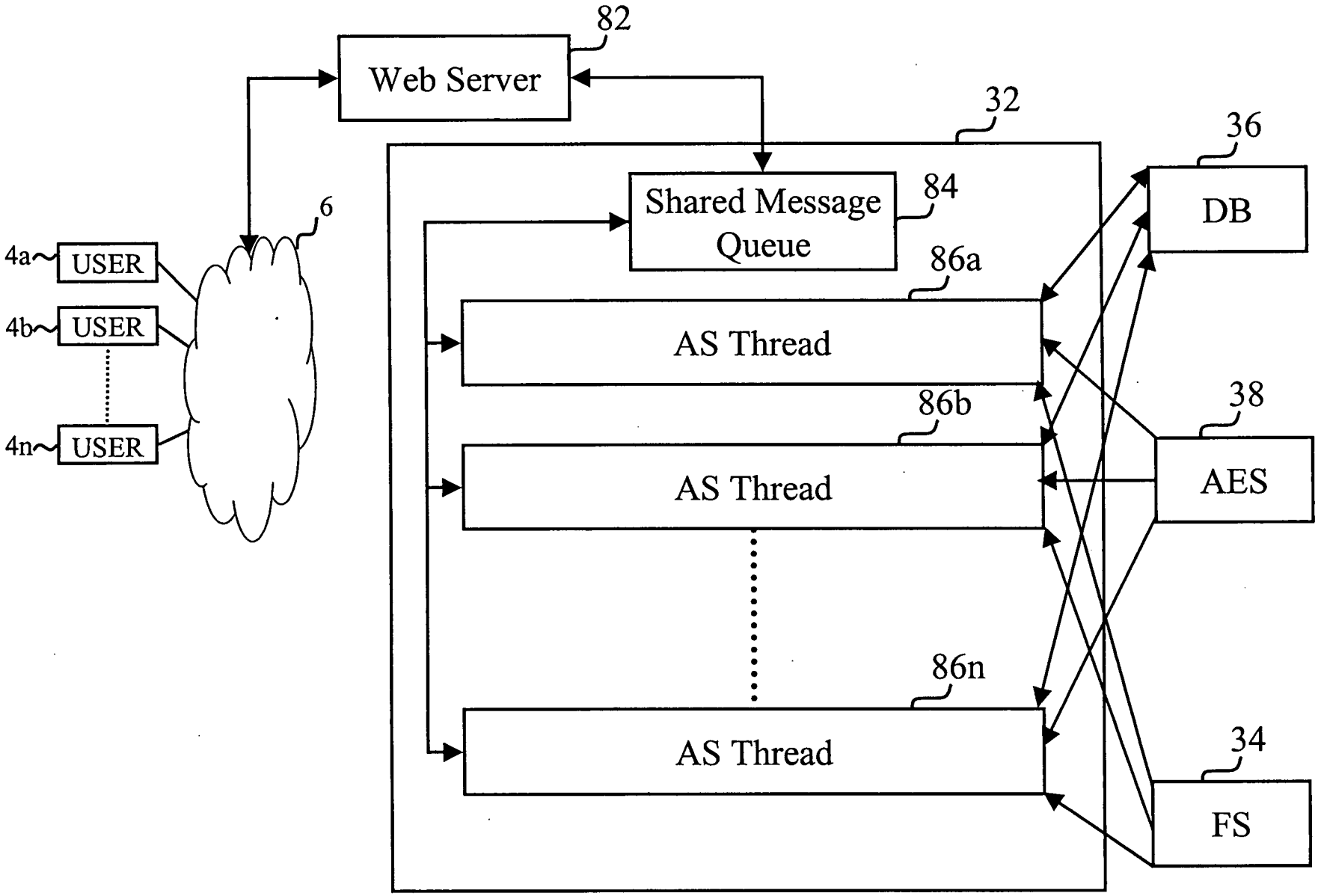

82
Web Server
32
36
DB
84
Shared Message Queue
6
4a
USER
4b
USER
4n
USER
86a
AS Thread
86b
AS Thread
38
AES
86n
AS Thread
34
FS

FIGURE 8

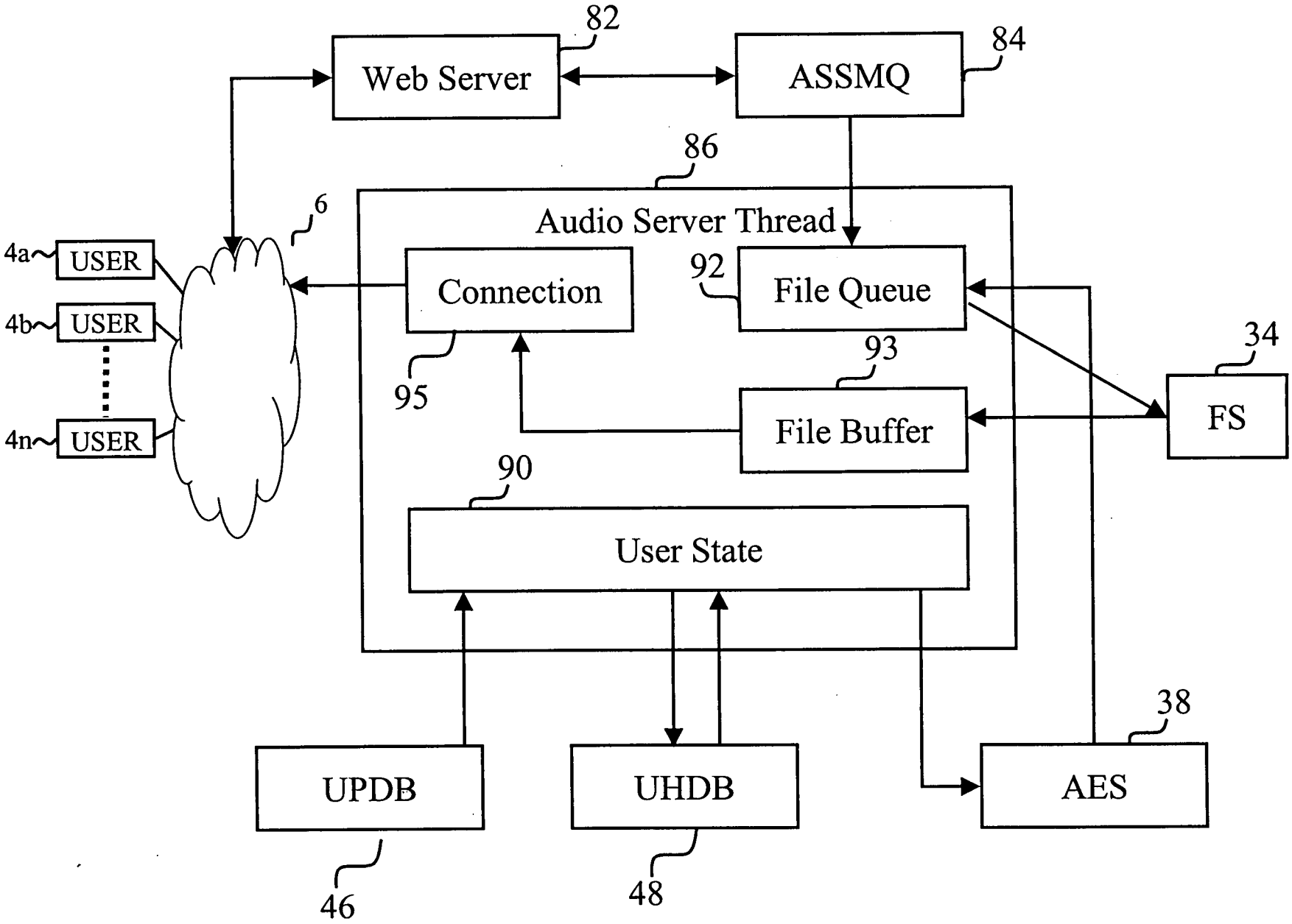

82
Web Server
84
ASSMQ
86
Audio Server Thread
6
4a
USER
4b
USER
4n
USER
Connection
92
File Queue
95
93
File Buffer
34
FS
90
User State
38
UPDB
UHDB
AES
46
48

FIGURE 9

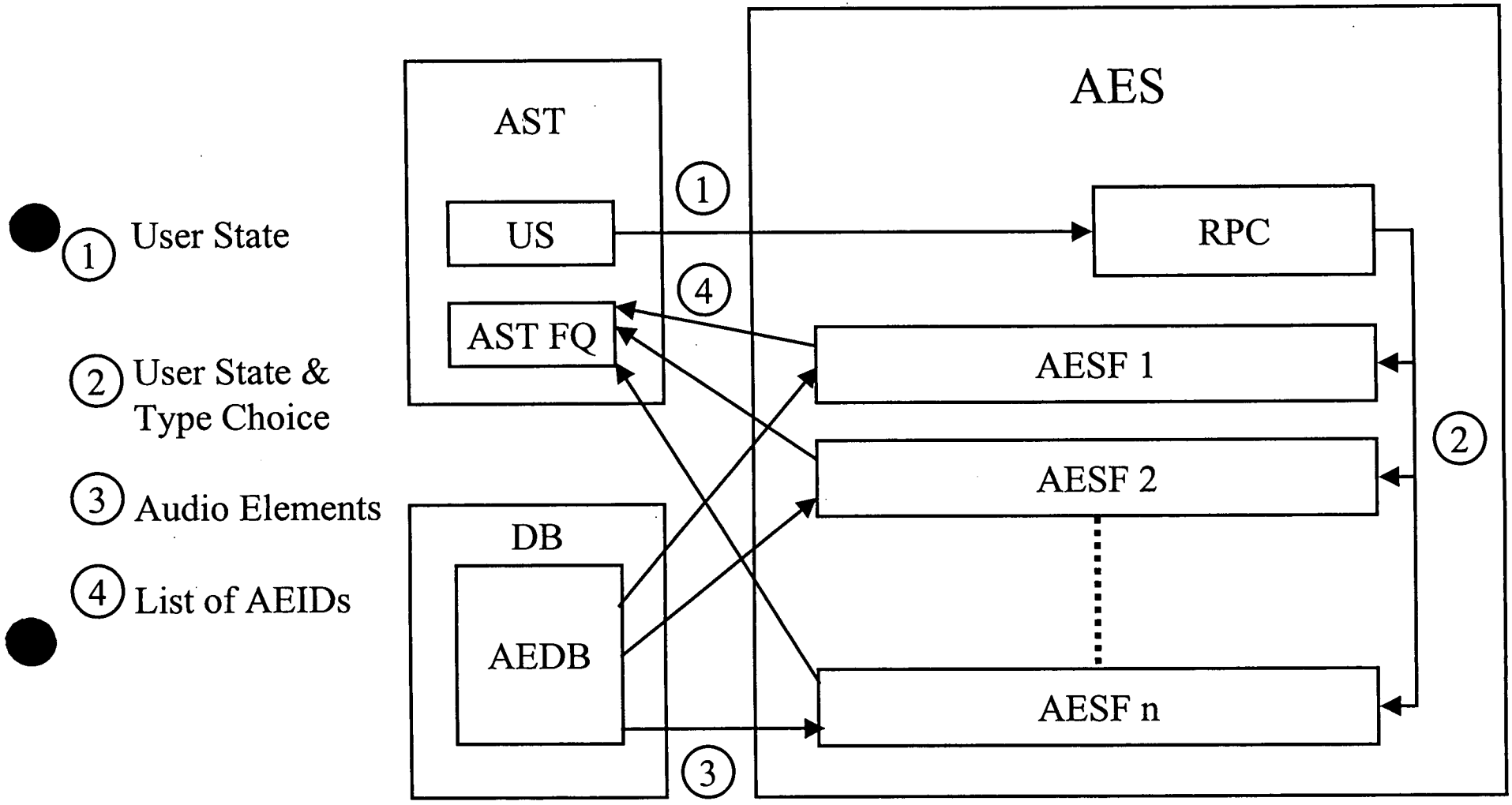

1 User State
2 User State & Type Choice
3 Audio Elements
4 List of AEIDs
AST
US
AST FQ
DB
AEDB
AES
RPC
AESF 1
AESF 2
AESF n
1
2
3
4

FIGURE 10

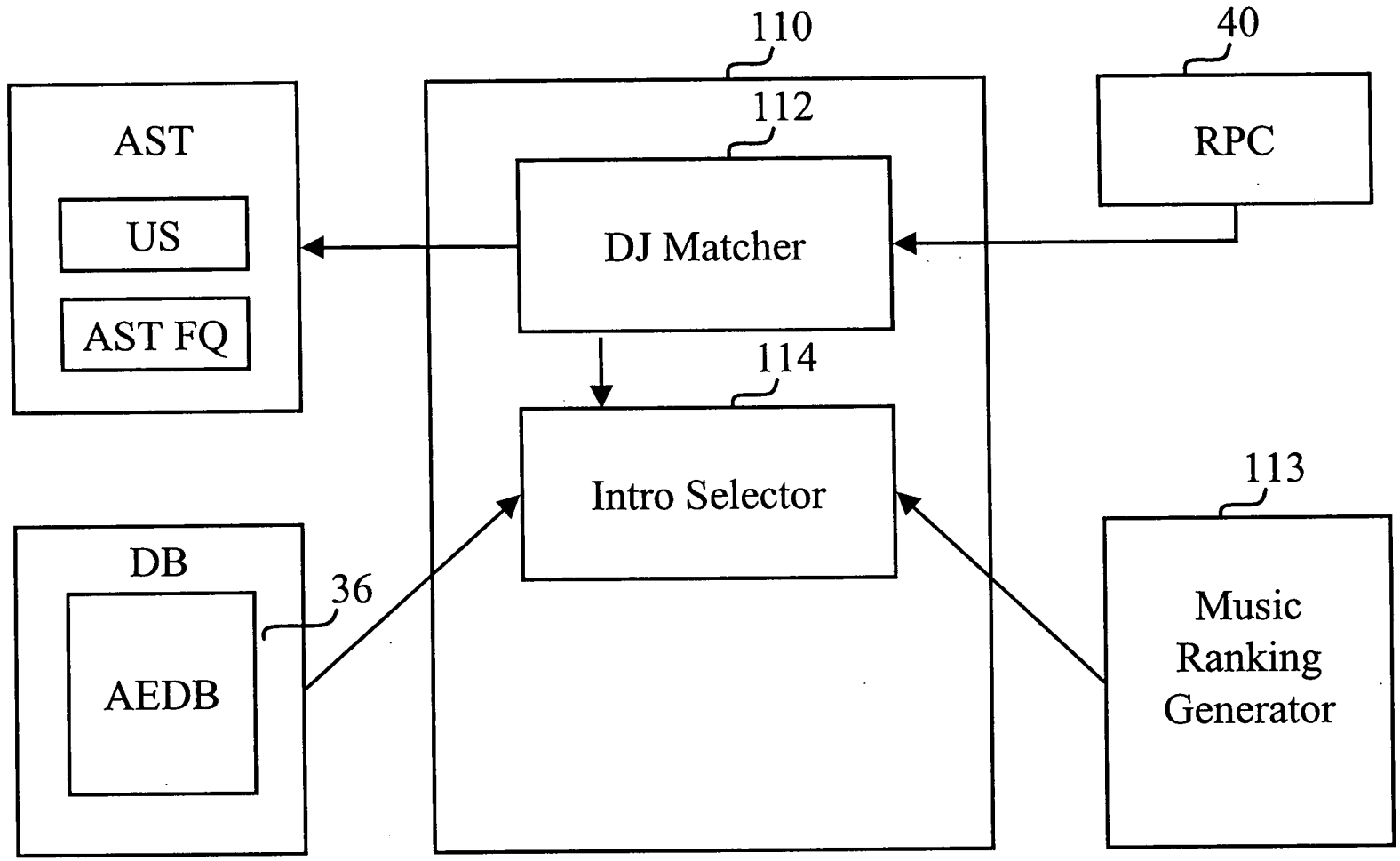

110
40
AST
112
RPC
US
DJ Matcher
AST FQ
114
Intro Selector
113
DB
36
Music
Ranking
Generator
AEDB

FIGURE 11

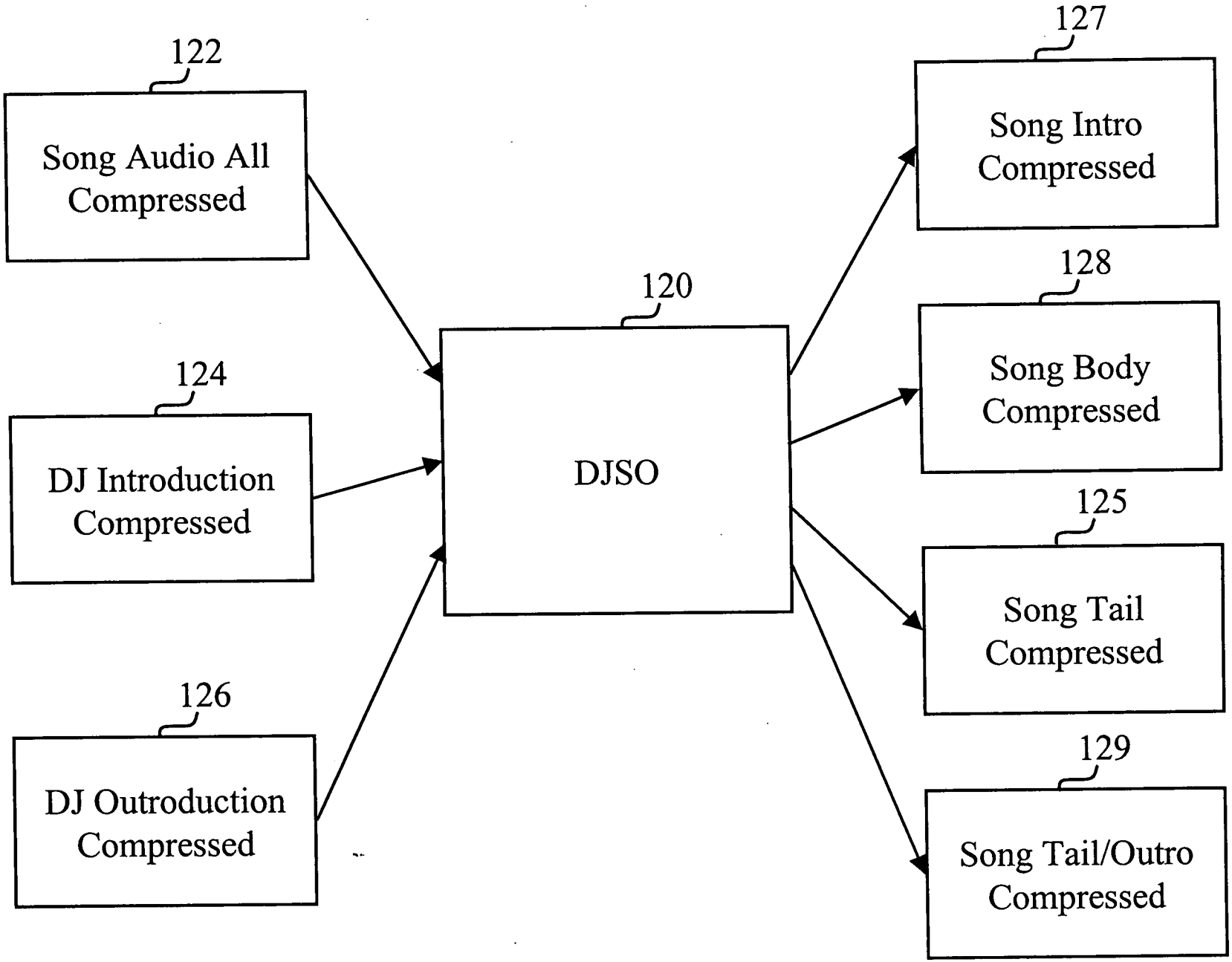

122
Song Audio All Compressed
124
DJ Introduction Compressed
126
DJ Outroduction Compressed
120
DJSO
127
Song Intro Compressed
128
Song Body Compressed
125
Song Tail Compressed
129
Song Tail/Outro Compressed

FIGURE 12

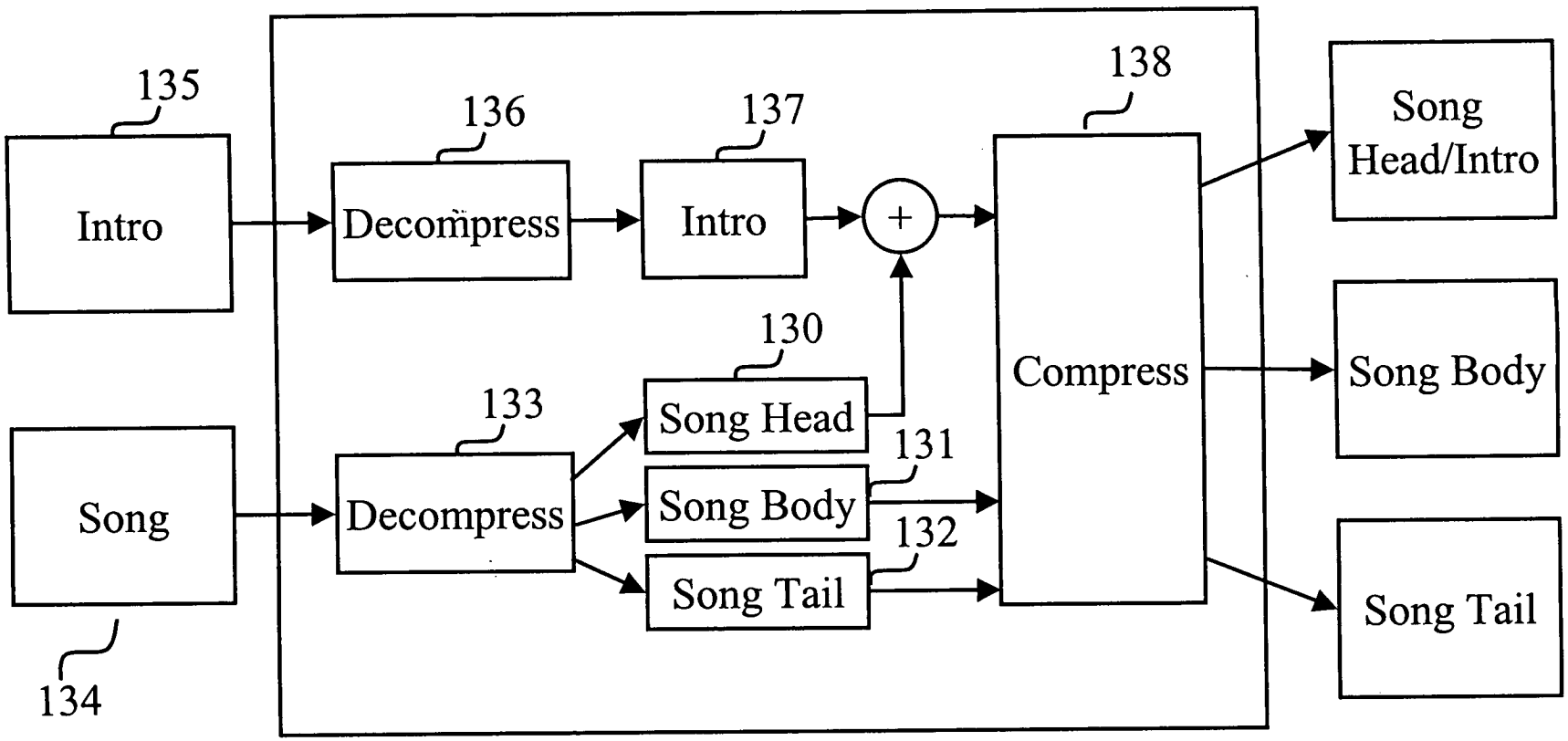

135
Intro
136
Decompress
137
Intro
+
138
Compress
Song Head/Intro
Song Body
Song Tail
130
Song Head
131
Song Body
132
Song Tail
133
Decompress
Song
134

FIGURE 13

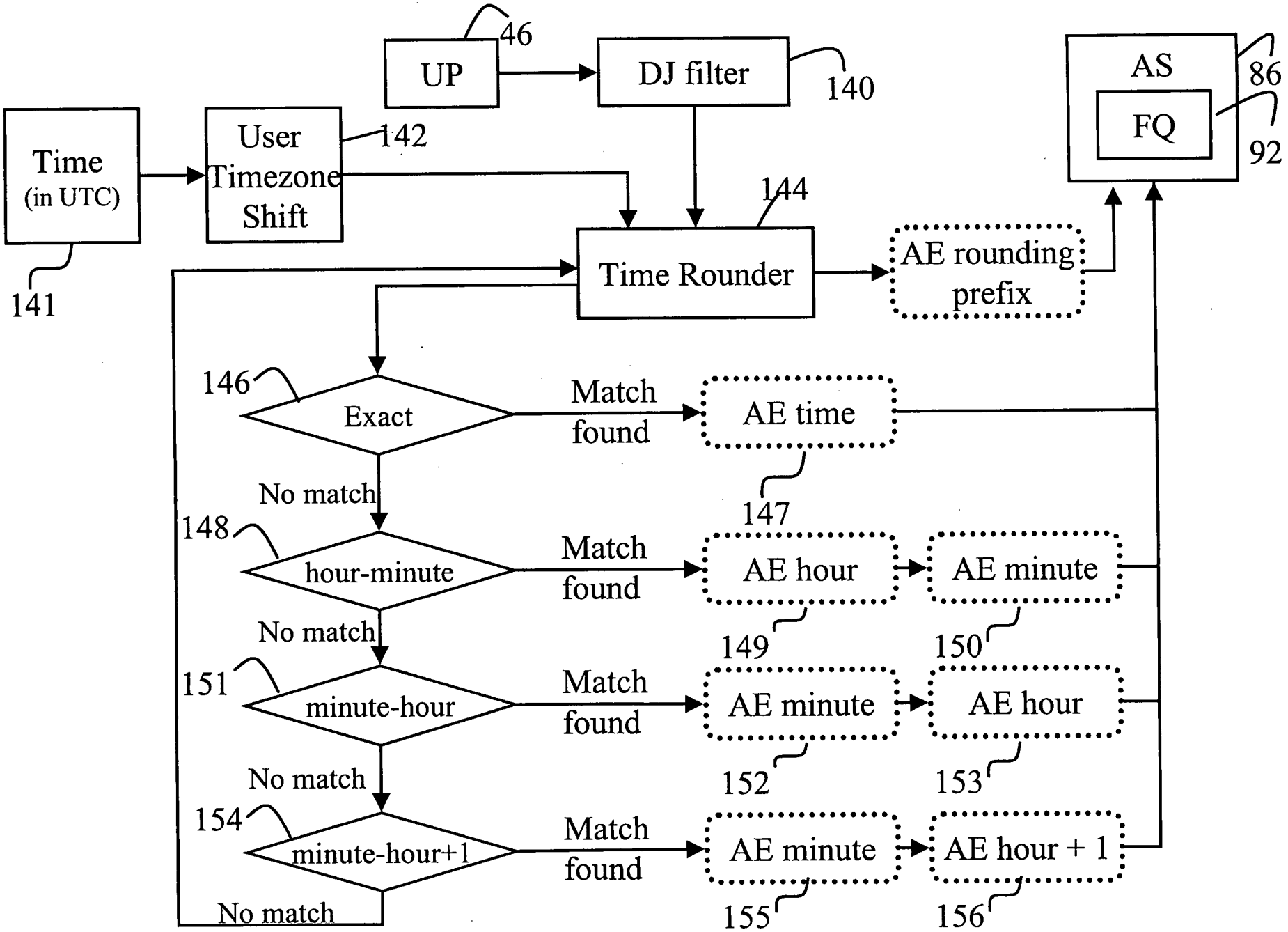

46
UP
DJ filter
140
AS
86
FQ
92
Time
(in UTC)
User
Timezone
Shift
142
144
Time Rounder
AE rounding
prefix
141
146
Exact
Match
found
AE time
147
No match
148
hour-minute
Match
found
AE hour
AE minute
149
150
No match
151
minute-hour
Match
found
AE minute
AE hour
152
153
No match
154
minute-hour+1
Match
found
AE minute
AE hour + 1
155
156
No match

FIGURE 14

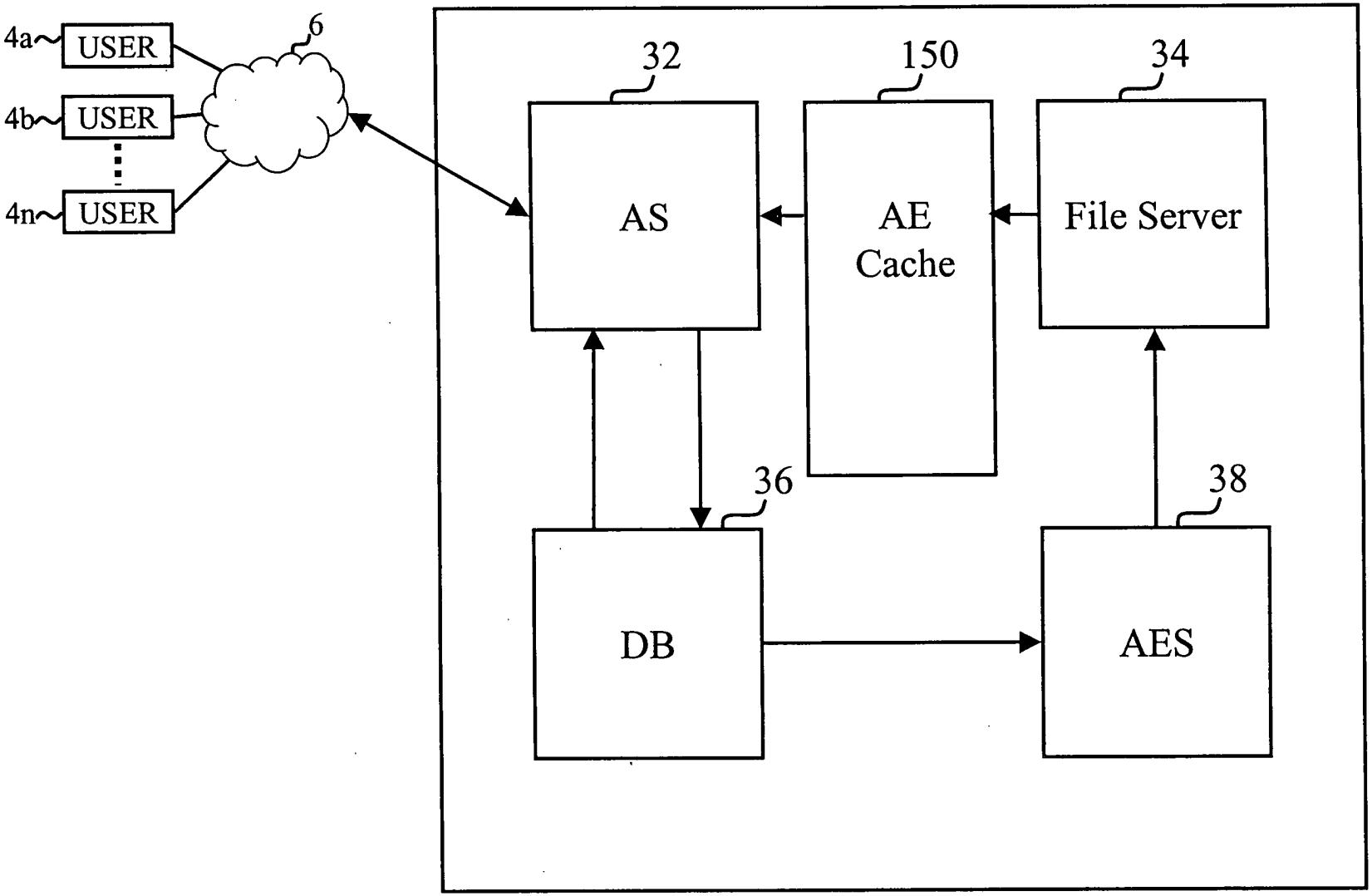

4a
USER
4b
USER
4n
USER
6
32
150
34
AS
AE
Cache
File Server
36
38
DB
AES

FIGURE 15

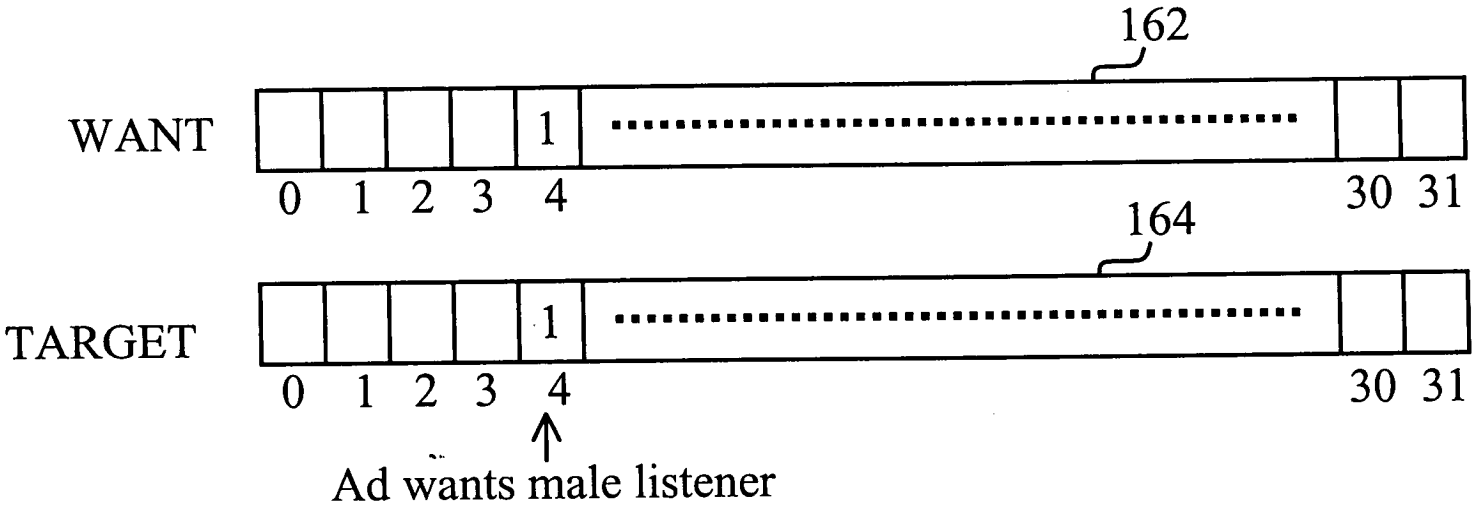


FIG. 16a

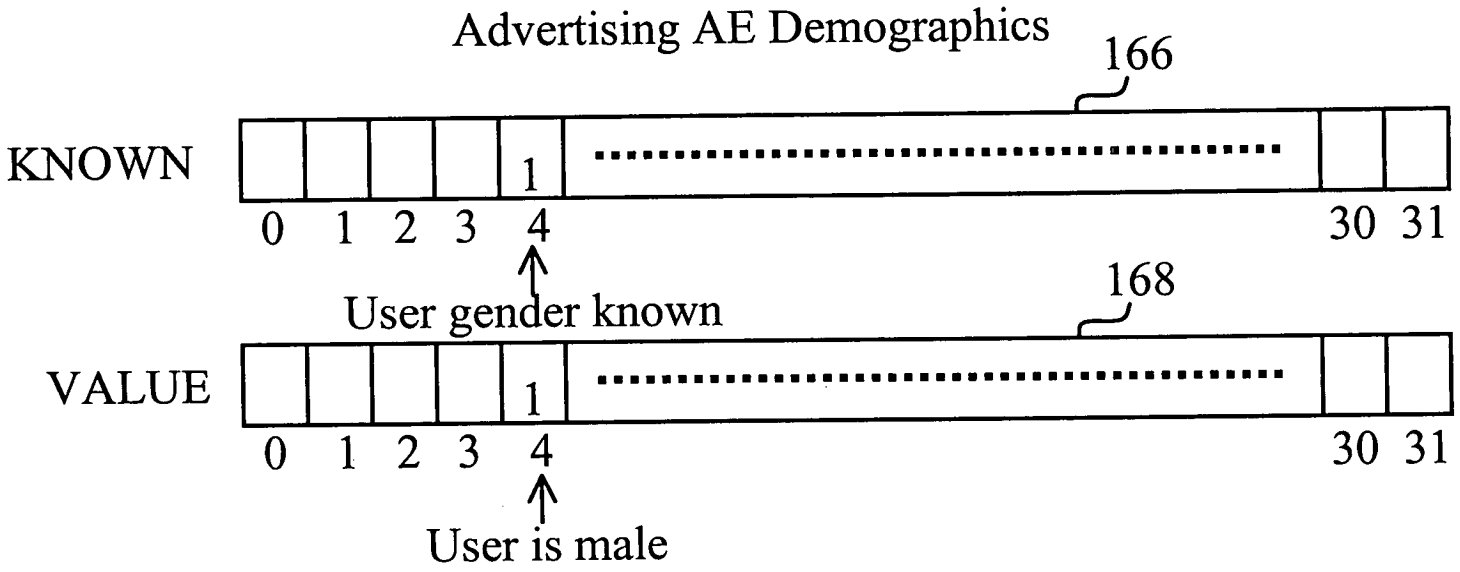
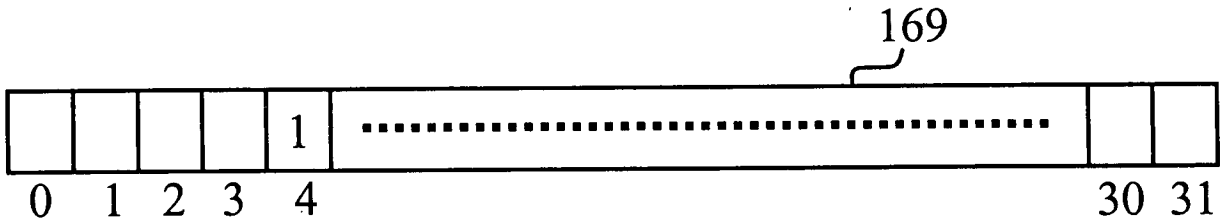


FIG. 16b

User Demographics



(not WANT) or (KNOWN and (TARGET xnor VALUE))

(not WANT) or (KNOWN and ((TARGET and VALUE)
or ((not TARGET) and (not VALUE)))

(~WANT) v (KNOWN ^ ((TARGET ^ VALUE) v (~ TARGET ^ ~VALUE))

(~WANT) v (KNOWN ^ (TARGET == VALUE))

FIG. 16c

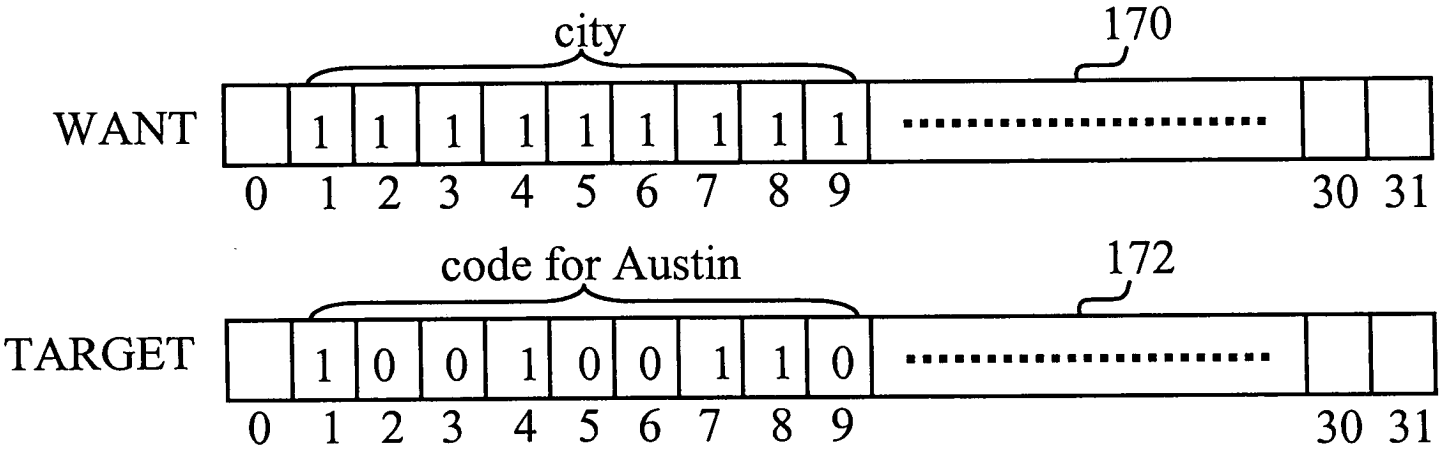


FIG. 17a

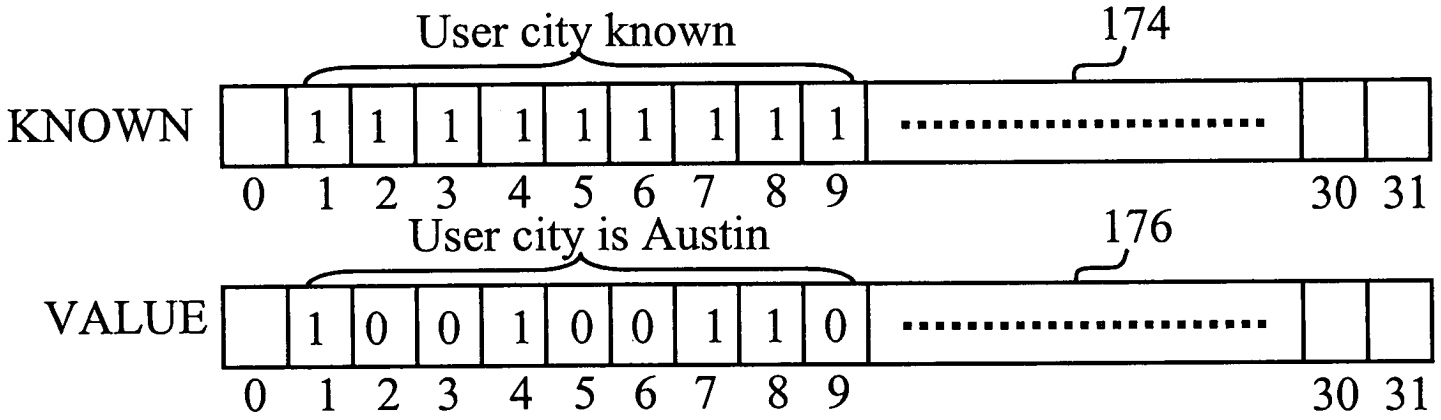


FIG. 17b

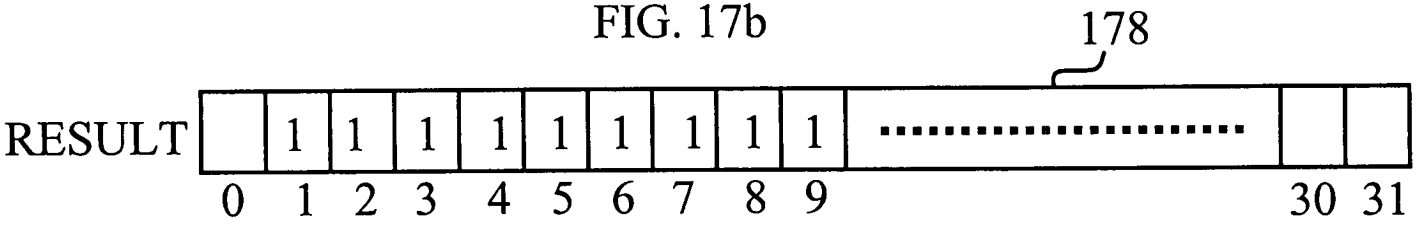


FIG. 17c

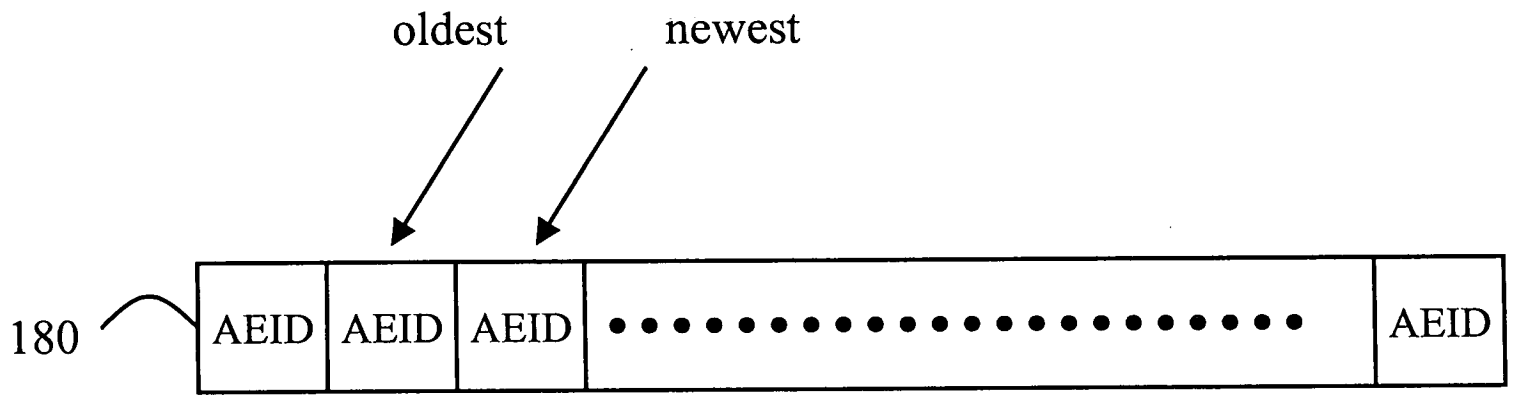


FIG. 18

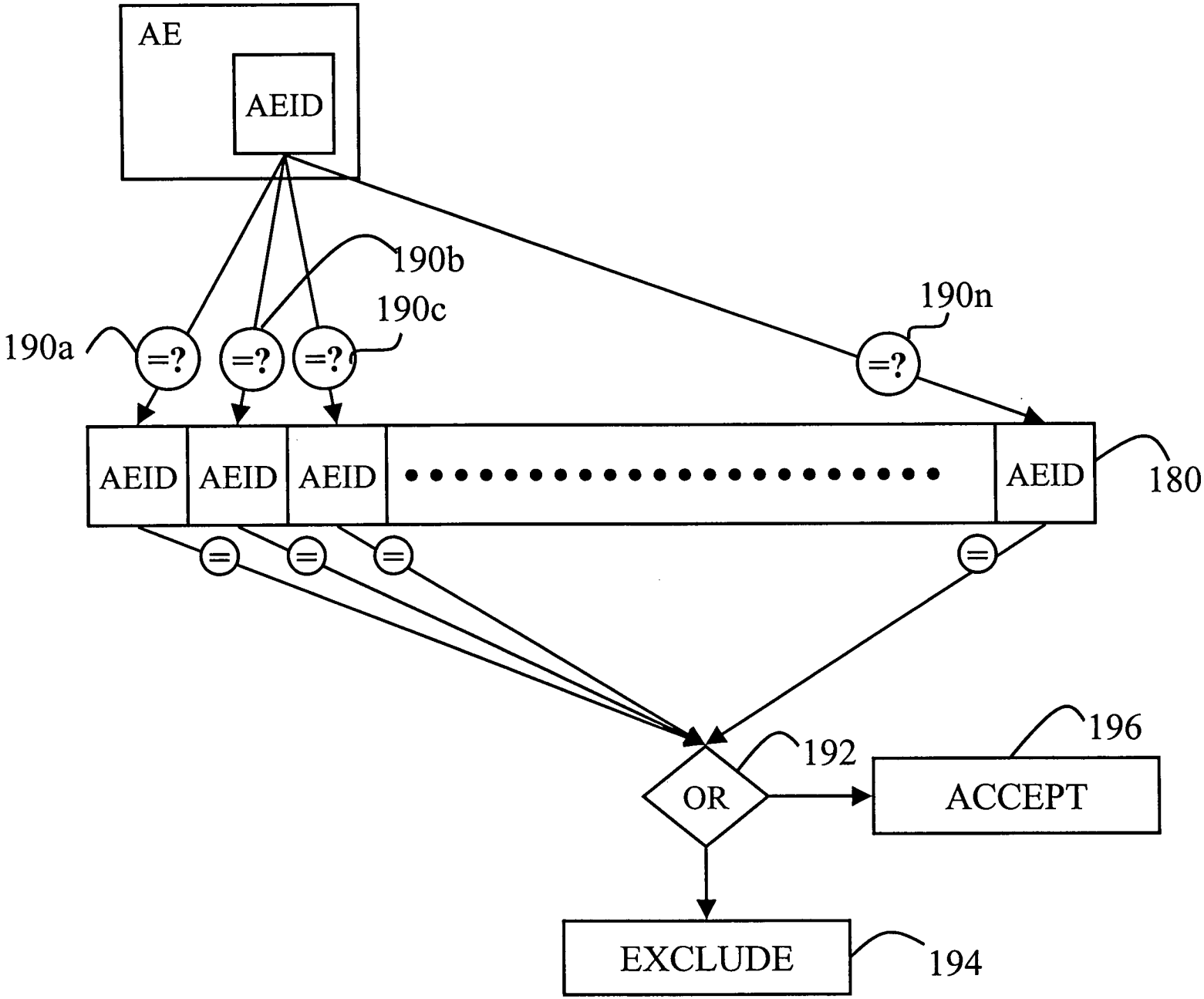

AE
AEID
190a
190b
190c
190n
=?
=?
=?
=?
AEID
AEID
AEID
AEID
180
=
=
=
=
OR
192
196
ACCEPT
EXCLUDE
194

FIG. 19